

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (Currently Amended) A system for exchanging data and audio between a cellular telephone and a landline telephone, the system comprising:

a cordless telephone base station having a first ~~BLUETOOTH~~ radio transceiver for wirelessly communicating with a cellular telephone using a short-range RF communications technology, and a second ~~cordless~~ radio transceiver for communicating with a cordless handset associated with the cordless telephone base station; and

the ~~a~~ cordless handset having a third cordless radio transceiver configured to communicate with the cordless telephone base station using cordless radio frequency communications, and

wherein when the cellular telephone is within a wireless communication range of the first radio transceiver of the cordless telephone base station, the first ~~BLUETOOTH~~ radio transceiver and the second ~~cordless~~ radio transceiver of the cordless telephone base station are activated to exchange data and audio with each other and coupled so that the cordless handset communicates ~~can communicate~~ with the cellular telephone.

2. (Currently Amended) The system of claim 1, wherein the cordless telephone base station includes a short-range wireless communications ~~BLUETOOTH~~ module including hardware and software used for the first ~~BLUETOOTH~~ radio transceiver, and cordless protocol stack and transcoder coupled to the cordless radio transceiver.

3. (Currently Amended) The system of claim 2, wherein the short-range wireless communications ~~BLUETOOTH~~ module supports a headset profile through which so that the cordless telephone base station and the cellular telephone communicates ~~can communicate~~ with each other ~~by the headset profile~~.

4. (Currently Amended) The system of claim 2, wherein the short-range wireless communications ~~BLUETOOTH~~ module establishes an audio link for exchanging audio messages between the cordless telephone base station and the cellular telephone.

5. (Currently Amended) The system of claim 2, wherein the short-range wireless communications ~~BLUETOOTH~~ module establishes a data link for exchanging data between the cordless telephone base station and the cellular telephone.

6. (Currently Amended) The system of claim 1, wherein when the first and second radio transceivers of the base station are activated to exchange data and audio with each other, the cordless handset is able to receive incoming calls and make outgoing calls for the cellular telephone ~~the cordless telephone base station communicates with the cellular telephone via a BLUETOOTH wireless communications technology when the cellular telephone is within a range of the BLUETOOTH transceiver of the cordless telephone base station~~.

7. (Currently Amended) A system for wireless communications between a cellular telephone and a landline telephone, the system comprising:

a telephone base station associated with the landline telephone including a short-range ~~BLUETOOTH~~ wireless transceiver and a first cordless radio transceiver; and

one or more handsets, each handset comprising a second cordless radio transceiver configured to communicate with the first cordless radio transceiver of the telephone base station using radio frequency communications,

a cellular telephone ~~that~~ employing a short-range wireless communications technology compatible with the short-range wireless transceiver of the telephone base station ~~is BLUETOOTH-enabled~~ so that when the cellular telephone is in a range of the short-range BLUETOOTH wireless transceiver, a wireless communication is established between the cellular telephone and the telephone base station, and

wherein when the wireless communication is established, an audio link is established between the cellular telephone and the telephone base station by using a short-range wireless communications BLUETOOTH headset profile embedded in the telephone base station of the landline telephone and the cellular telephone for exchanging audio packets when an audio exchange is required.

8. (Currently Amended) The system of claim 7, wherein a data link is established using an Asynchronous Connectionless Link (ACL) connection along with the audio link to support data exchange between the ~~one or more~~ cellular telephone and the telephone base station.

9. (Canceled)

10. (Canceled)

11. (Currently Amended) The system of claim 7 ~~10~~, wherein the one or more handsets further include cordless radio transceivers and antenna.

12. (Currently Amended) The system of claim 7, wherein when the wireless communication is established, one of the one or more ~~the landline base station~~
~~communicates with at least two~~ headsets, ~~one of which~~ is used to receive incoming calls for the cellular telephone and to send outgoing calls on the behalf of the cellular telephone.

13. (Withdrawn) A landline telephone base station comprising:

an audio router configured to

send and receive audio signal communications with a BLUETOOTH wireless protocol stack and transcoder, and

send and receive audio signal communications with a cordless protocol stack and transcoder;

wherein the audio router is configured to couple, at least in part, one cellular telephone to the landline-telephone base station.

14. (Withdrawn) The system of claim 12, further comprising a processor coupled to the audio router, the processor is configured to

send and receive data communications with the short-range wireless protocol stack and transcoder, and

send and receive data communications with the cordless protocol stack and transcoder.

15. (Currently Amended) A method for establishing a wireless communications between a cellular telephone and a landline telephone, the method comprising:

establishing a wireless communications link between the landline telephone and the cellular telephone when the cellular telephone is within a range of a transceiver of a base station of the landline telephone, wherein the landline telephone base station communicates with one or more telephone handsets of the landline telephone;

establishing an audio link between the cellular telephone and the landline telephone when the wireless communications link between the landline telephone and the cellular telephone is established;

receiving audio communications from the one or more a telephone handsets ~~handset~~ of the landline telephone;

processing the audio communications at the base station of the landline telephone according to a wireless communications protocol corresponding to a the wireless transceiver of the cellular telephone; and

sending the processed audio communications to the cellular telephone via the audio link.

16. (Original) The method of claim 15, further comprising:
establishing a data link using Asynchronous Connectionless Link (ACL) connection between the cellular telephone and the landline telephone base unit for supporting data exchanges between the cellular telephone and the landline telephone base unit.

17. (Canceled)

18. (Currently Amended) The method of claim 15, wherein the cellular telephone and the landline telephone ~~are both~~ employ a short-range communications technology ~~BLUETOOTH-enabled~~.

19. (Currently Amended) The method of claim 15, wherein the landline telephone base station comprises two transceivers ~~transeiver~~, one of which is a cordless link transceiver for use in receiving/sending messages to the one or more ~~at least one~~ ~~landline~~ headset, and the other one of which is a short-range wireless communications ~~BLUETOOTH~~ transceiver for use in receiving/sending messages to the ~~BLUETOOTH-enabled~~ cellular telephone.

20. (Currently Amended) The method of claim 15, wherein sending the processed audio communications to at least one of the cellular telephones via the audio link includes sending AT (ATtention) commands.

21. (Original) The method of claim 20, wherein the AT commands are sent using data packets over an ACL (Asynchronous Connectionless link) connection.

22. (Original) The method of claim 20, wherein the AT commands are sent using one of the audio packets, the data packets, and a combination of audio packets and data packets.

23. (Original) The method of claim 20, wherein the AT commands are sent using data packets over an audio (SCO) connection.

24. (Currently Amended) The method of claim 15, further comprising establishing a direct wireless communication link between the cellular telephone and a cordless handset that is communicating with a ~~BLUETOOTH~~ landline telephone base station employing a short-range wireless communications technology when the cellular telephone is within a range of the landline telephone base station.

25. (New) The method of claim 19, wherein the wireless communication link between the landline telephone and the cellular telephone is established, the two transceivers of the landline telephone base station are activated to exchange data and audio with each other and one of the one or more handset is used to receive incoming calls and make outgoing calls for the cellular telephone.